I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with $\S~1.6(a)(4)$.

Dated: November 19, 2008

Electronic Signature for Kevin J. Canning: /Kevin J. Canning/

Docket No.: MWS-111RCE (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Joseph F. Hicklin *et al*.

Application No.: 10/783,552 Confirmation No.: 7454

Filed: February 20, 2004 Art Unit: 1631

For: METHOD AND APPARATUS FOR

IMPROVED MODELING OF CHEMICAL AND BIOCHEMICAL REACTIONS

Examiner: K. R. Skowronek

AMENDMENT IN RESPONSE TO OFFICE ACTION

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated August 20, 2008 (Paper No. 20080814), please amend the above-identified U.S. patent application as follows.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 9 of this paper.